



# ARM

CLIMATE RESEARCH FACILITY

## CACTI:

Cloud, Aerosol, & Complex Terrain  
Interactions

### **Project Update** **2018 ARM/ASR Science Team Meeting**

*Field Instrument Deployments and Operations*  
*Earth & Environmental Sciences Division*  
*Los Alamos National Laboratory*



AMF1

CACTI

Legend

- AMF1 CACTI
- Feature 1
- Yacanto

CACTI  
AMF1  
Location

Buenos Aires

Google Earth

US Dept of State Geographer  
© 2016 Google  
Image Landsat / Copernicus  
Data SIO, NOAA, U.S. Navy, NGA, GEBCO



View from Space (Altitude: 6378 mi)

**AMF1**

CACTI

**Legend**

-  AMF1 CACTI
-  Feature 1
-  Yacanto

**Cordoba**

Balloon Operations  
Villa Dolores

AMF1 CACTI

Villa General Belgrano

Santa Rosa de Calamuchita

Villa del Dique

Almafuerte

Google Earth

Image © 2018 CNES / Airbus  
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Image © 2018 DigitalGlobe  
Image Landsat / Copernicus

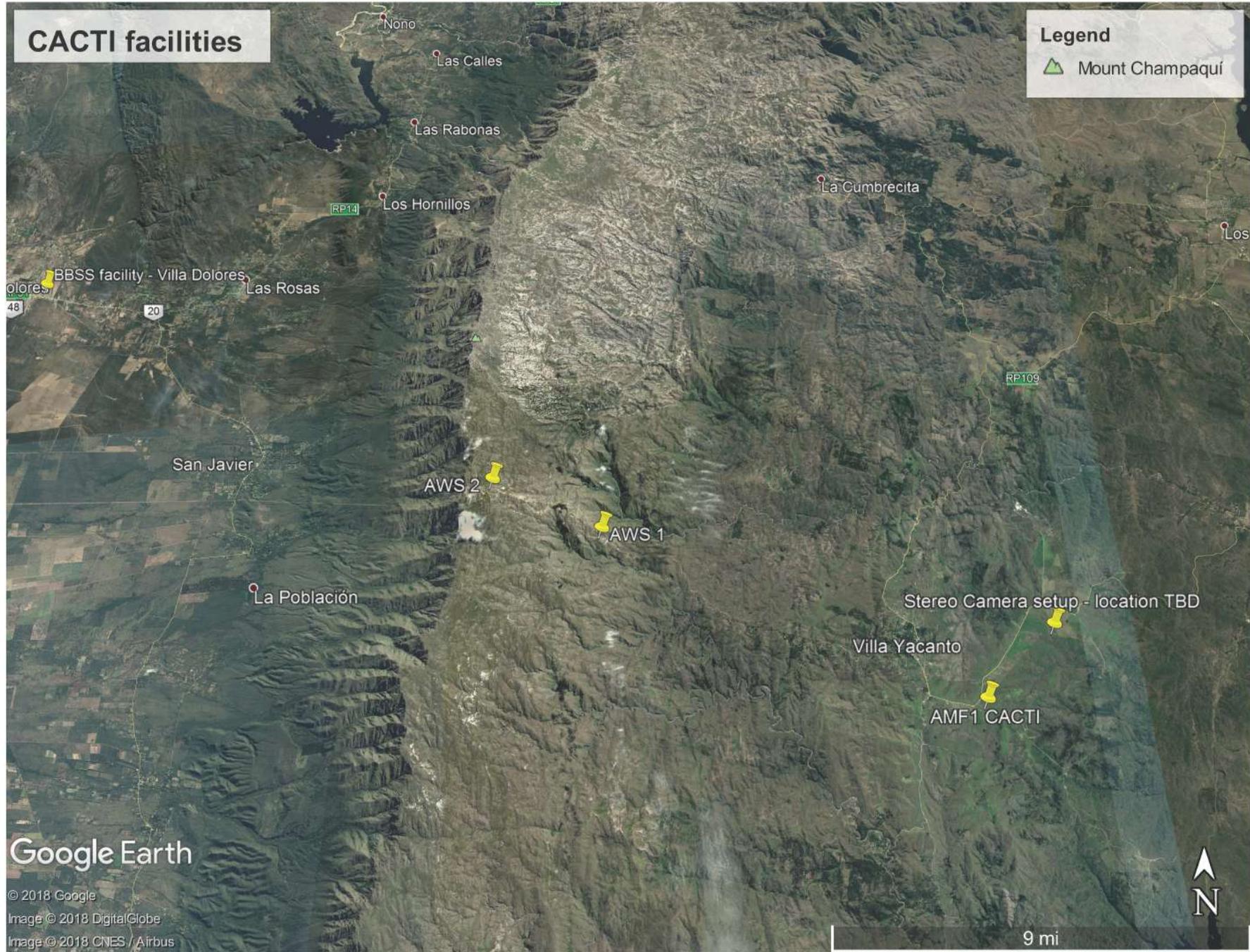


10 mi

# CACTI facilities

## Legend

 Mount Champaquí



Google Earth

© 2018 Google  
Image © 2018 DigitalGlobe  
Image © 2018 CNES / Airbus

9 mi

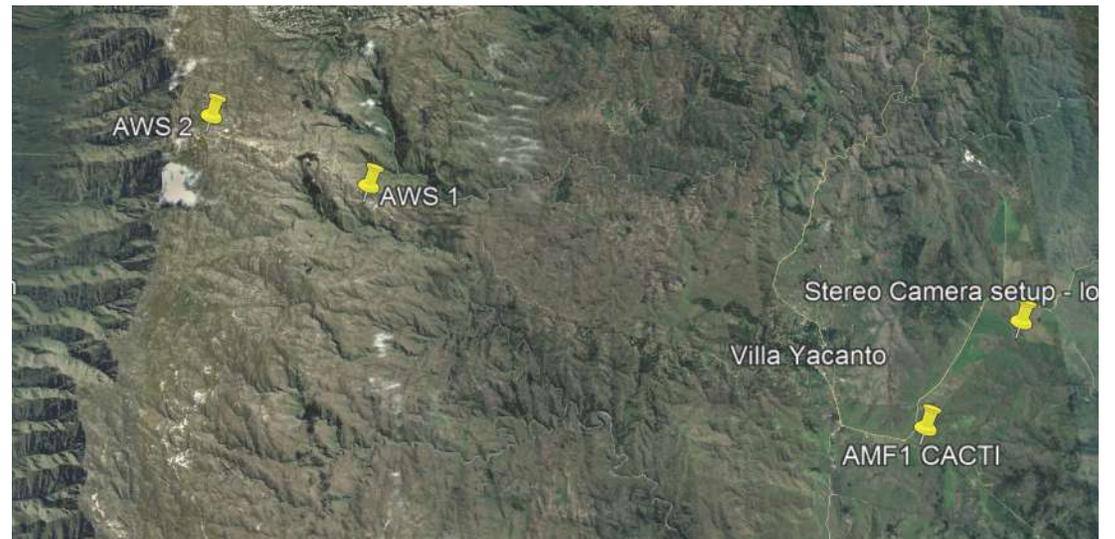


## AMF1 Site Panoramic





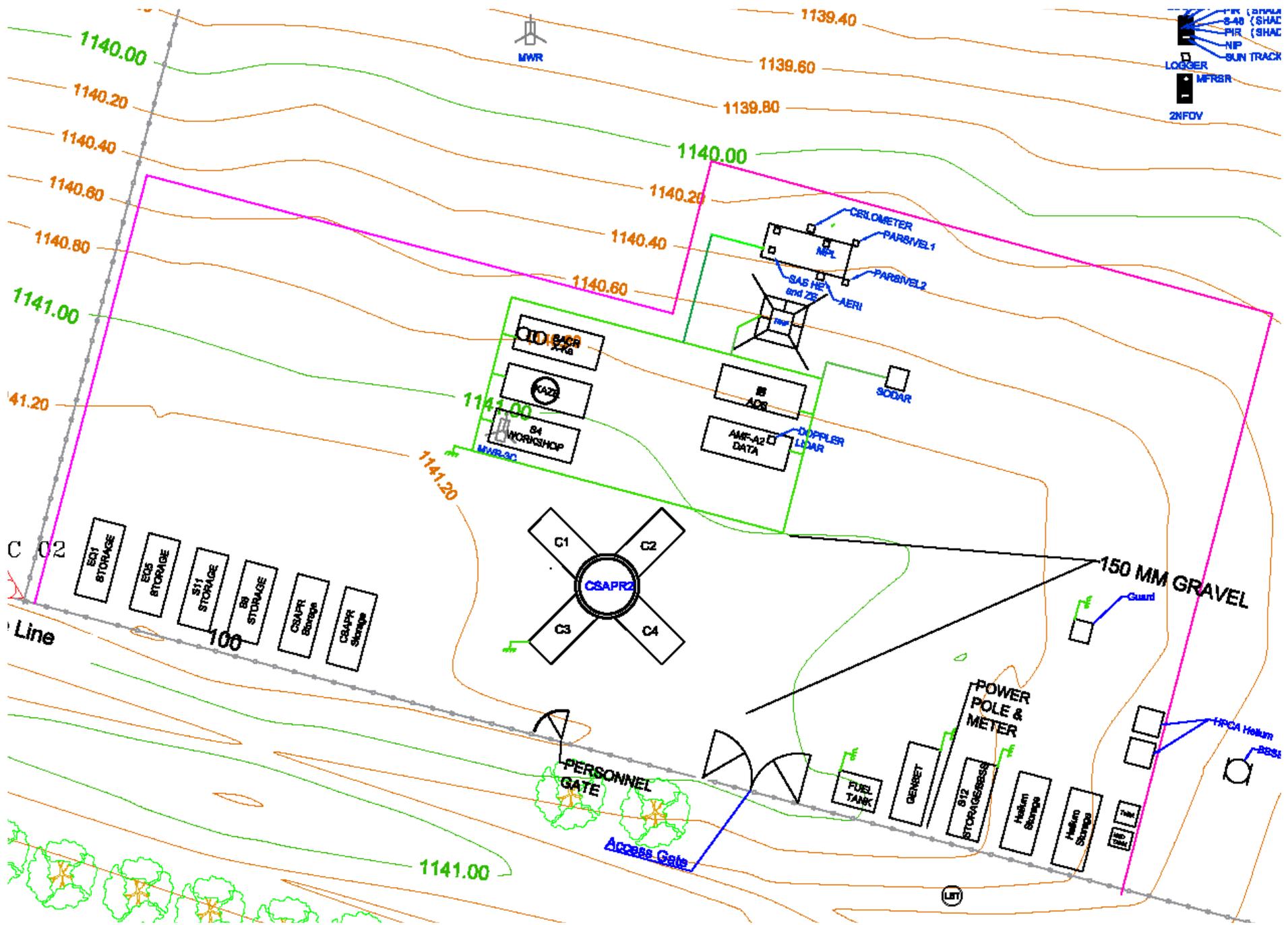
## Automated Weather Station Location











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## Project Schedule

**April – May 2018:** Facility preparation and beta test at LANL

- AOS Configuration at BNL
- CSAPR II preparation at SGP

**1 June 2018:** AMF1 transit to Argentina

**July 2018:** Site civil work and infrastructure development for AMF1 site.

**August 2018:** Installation and commissioning

**3 – 28 September 2018:** Data verification and instrument commissioning

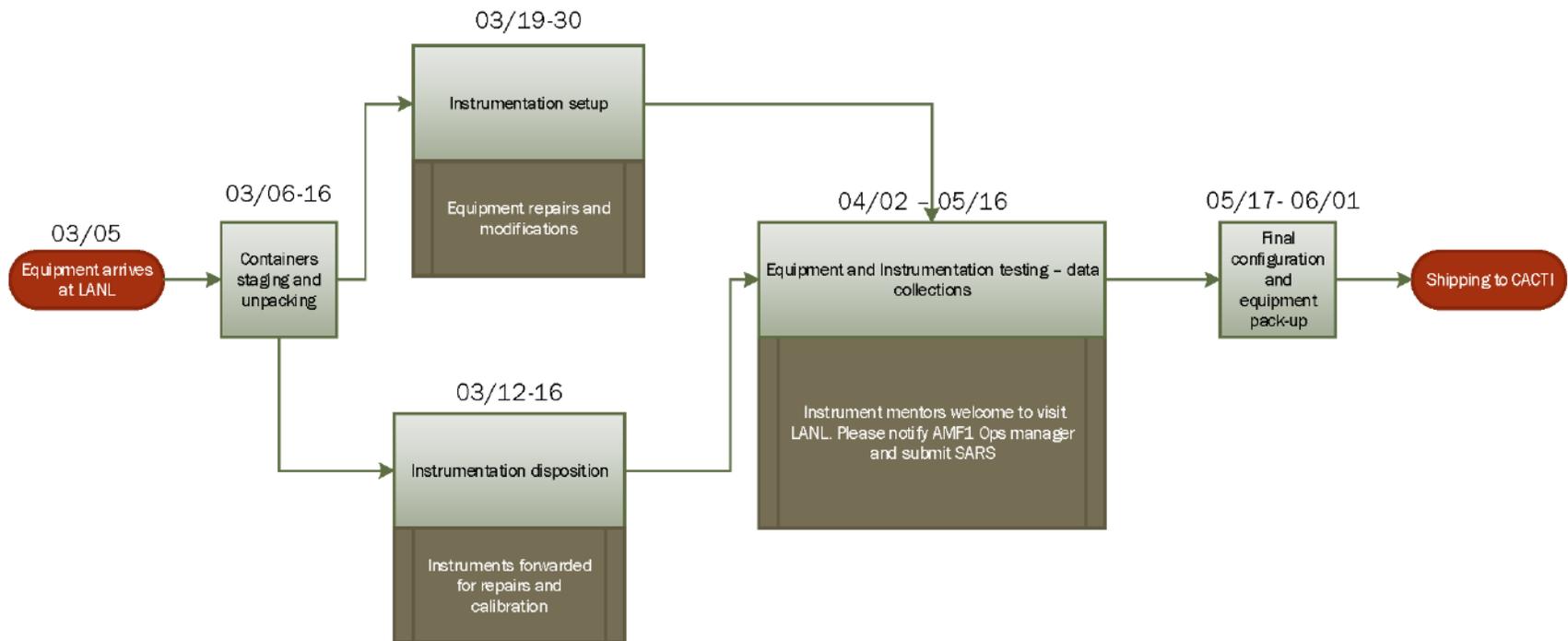
**1 October 2018 – 30 April 2019:** Campaign data collection period

**1 May – 30 June 2019:** Pack up and site remediation

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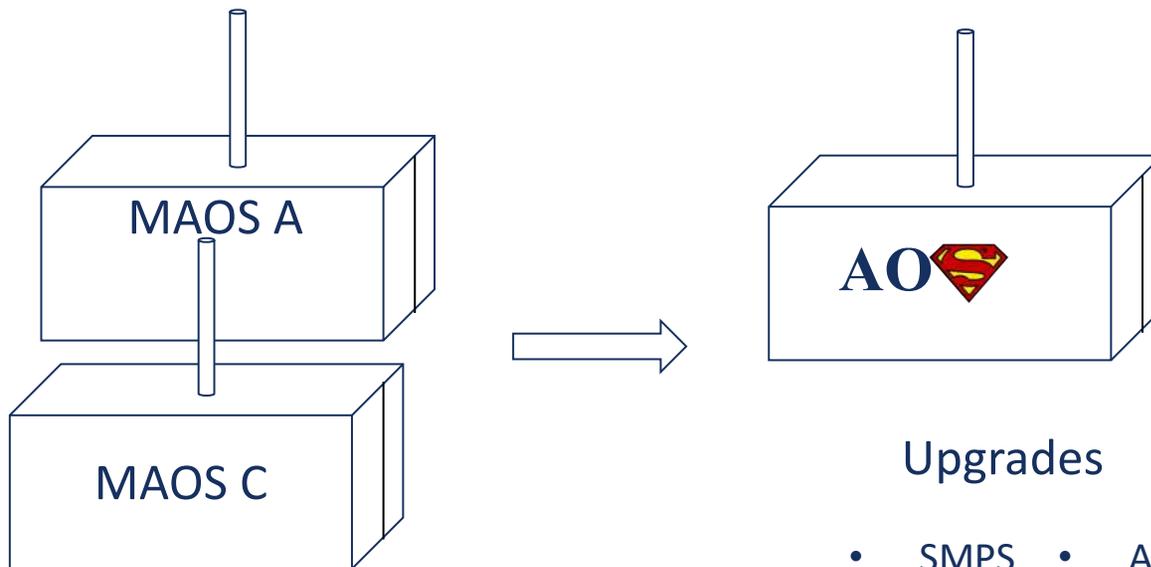
## Beta Test Activities



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## AOS Work at BNL



### Upgrades

- SMPS
- ACSM
- UHSAS
- APS
- CCN200
- f(RH)

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## *C-band Scanning ARM Precipitation Radar CSAPR II*



# Activities

